

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE  
STATEMENT**

Docket Number:  
**11746/46004**

Application Number  
**10/053,520**

Filing Date  
**January 17, 2002**

Examiner

Art Unit  
**1646**

Invention Title  
**CONJUGATE HEAT SHOCK PROTEIN-BINDING  
PEPTIDES**

Inventor(s)  
**ROTHMAN et al.**

Address to:  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being hand-delivered to Examiner [Name] at the United States Patent and Trademark Office on May 9, 2003.

Signature: W. J. M. [Signature]

1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the attached references to the attention of the Examiner. These references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
2. The filing of this Information Disclosure Statement and the attached PTO Form No. 1449, shall not be construed as an admission that the information cited is prior art, or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b).
3. A copy of each patent, publication or other information listed on the modified PTO form 1449 is enclosed.
4. It is believed that no fees are due in connection with this Information Disclosure Statement. However, should any fees be due, the Commissioner is authorized to charge or credit any over payment to Deposit Account No. 11-0600. A duplicate copy of this communication is enclosed for charging purposes.

Dated: May 9, 2003

By: [Signature]

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Modified PTO Form 1449

Docket Number  
**11746/46004**

Serial No.  
**10/053,520**

Inventor(s)  
**ROTHMAN et al.**

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**January 17, 2002**

Group  
**1646**

U. S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | PATENT<br>NUMBER | PATENT<br>DATE | NAME              | CLASS | SUBCLASS | FILING<br>DATE* |
|---------------------|------------------|----------------|-------------------|-------|----------|-----------------|
|                     | 6,048,530        | 4/11/00        | Srivastava        |       |          |                 |
|                     | 6,030,618        | 2/29/00        | Srivastava        |       |          |                 |
|                     | 6,017,540        | 1/25/00        | Srivastava et al. |       |          |                 |
|                     | 5,961,979        | 10/5/99        | Srivastava        |       |          |                 |
|                     | 5,997,873        | 12/7/99        | Srivastava        |       |          |                 |
|                     | 5,985,270        | 11/16/99       | Srivastava        |       |          |                 |
|                     | 5,935,576        | 8/10/99        | Srivastava        |       |          |                 |
|                     | 5,837,251        | 11/17/98       | Srivastava        |       |          |                 |
|                     | 5,750,119        | 5/12/98        | Srivastava        |       |          |                 |
|                     | 5,541,109        | 6/30/96        | Searfoss          |       |          |                 |
|                     | 5,348,945        | 9/20/94        | Berberian et al.  |       |          |                 |

\* - If pertinent

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
|---------------------|--------------------|----------|---------|-------|----------|-----------------------|
|                     | WO 98/35705        | 8/20/98  | PCT     |       |          | N/A                   |
|                     | WO 98/23735        | 6/4/98   | PCT     |       |          | N/A                   |
|                     | WO 97/26910        | 7/31/97  | PCT     |       |          | N/A                   |
|                     | WO 97/10000        | 3/20/97  | PCT     |       |          | N/A                   |
|                     | WO 97/10001        | 3/20/97  | PCT     |       |          | N/A                   |
|                     | WO 97/10002        | 3/20/97  | PCT     |       |          | N/A                   |
|                     | WO 97/06685        | 2/27/97  | PCT     |       |          | N/A                   |
|                     | WO 97/06281        | 2/27/97  | PCT     |       |          | N/A                   |
|                     | WO 96/10411        | 4/11/96  | PCT     |       |          | N/A                   |
|                     | WO 95/24923        | 9/21/95  | PCT     |       |          | N/A                   |
|                     | WO 94/29459        | 12/22/94 | PCT     |       |          | N/A                   |
|                     | WO 94/11513        | 5/26/94  | PCT     |       |          | N/A                   |

| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE    | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES | NO |
|---------------------|--------------------|---------|---------|-------|----------|--------------------|----|
|                     | WO 93/17712        | 9/16/93 | PCT     |       |          | N/A                |    |
|                     | WO 89/04871        | 6/1/89  | PCT     |       |          | N/A                |    |
|                     | 0 538 952          | 4/28/93 | Europe  |       |          | N/A                |    |

#### OTHER DOCUMENTS

| EXAMINER<br>INITIAL |  | AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.  |
|---------------------|--|---|
|                     |  | Galigniana et al., 1998, Mol. Endo. 12:1903-1913.   |
|                     |  | Czar et al., 1997, Biochemistry 36:7776-7785.   |
|                     |  | Blachere et al., 1997, J. Exp. Med. 186:1315-1322.  |
|                     |  | Tamura et al., 1997, Science 278:117-120.   |
|                     |  | Wearsch et al., 1997, J. Biol. Chem. 272:5152-5156.                                       |
|                     |  | Tavaria et al., 1996, Cell Stress and Chaperones 1:23-28.                                 |
|                     |  | Jakob et al., 1996, J. Biol. Chem. 271:10035-10041.                                       |
|                     |  | Rosenberg et al., December 1996, inNovations (newsletter of Novagen, Inc.) No. 6, pp. 1-6 |
|                     |  | Auger et al., 1996, Nature Medicine 2:306-310.  |
|                     |  | Giboa, 1996, Seminars in Oncology 23:101-107.   |
|                     |  | Minami et al., 1996, J. Biol. Chem. 271:19617-19624.                                      |
|                     |  | Nieland et al., 1996, Proc. Natl. Acad. Sci. USA 93:6135-6139.                            |
|                     |  | Zhu et al., 1996, Science 272:1606-1614.  |
|                     |  | Bauer et al., 1995, Scand. J. Immunol. 42:317-323.  |
|                     |  | Blachere and Srivastava, 1995, Seminars in Cancer Biology 6:349-355.                      |
|                     |  | Edginton, 1995, Bio/Technol. 13:1442-1444.  |
|                     |  | Greene et al., 1995, J. Biol. Chem. 270:2967-2978.  |
|                     |  | Hohfeld et al., 1995, Cell 83:589-598.  |
|                     |  | Lowrie et al., 1995, J. Cell. Biochem, Suppl. 0(19b):220.                                 |
|                     |  | McCarty et al., 1995, J. Mol. Biol. 249:126-137.  |
|                     |  | Multhoff et al., 1995, Int. J. Cancer 61:272-279.   |
|                     |  | Zhu et al., 1995, Scand. J. Immunol. 42:557-563.  |
|                     |  | Whitesell, et al., 1994, Proc. Natl. Acad. Sci. USA 91:8324-8328.                         |
|                     |  | Gragerov et al., 1994, J. Mol. Biol. 235:133-135.   |
|                     |  | Gragerov et al., 1994, J. Mol. Biol. 235:848-854.   |

| EXAMINER<br>INITIAL |  | AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.  |
|---------------------|--|---|
|                     |  | Barrios et al., 1994, Clin. Exp. Immunol. 98:224-228.                                 |
|                     |  | Barrios et al., 1994, Clin. Exp. Immunol. 98:229-233.                                 |
|                     |  | Del Giudice, 1994, Experientia 50:1061-1066.  |
|                     |  | Lowrie et al., 1994, Vaccine 12:1537-1540.  |
|                     |  | Nygren et al., 1994, Trends Biotechnol. 12(5):184-188.                                |
|                     |  | Retzlaff et al., 1994, Infect. Immun. 62:5689-5693.                                   |
|                     |  | Schmid et al., 1994, Science 263:971-973.   |
|                     |  | Sato et al., 1994, Proc. Annu. Meet. Am. Assoc. Cancer Res. 35:A2959.                 |
|                     |  | Silva and Lowrie, 1994, Immunology 82:244-248.  |
|                     |  | Srivastava, 1994, Experientia 50:1054-1060.   |
|                     |  | Srivastava and Udon, 1994, Current Opinion in Immunology 6:728-732.                   |
|                     |  | Blond-Elguindi et al., 1993, Cell 75: 717-728.  |
|                     |  | DeNagel and Pierce et al., 1993, Critical Reviews in Immunology 13:71:81.             |
|                     |  | Lukacs et al., 1993, J. Exp. Med. 178:343-348.  |
|                     |  | Mustafa et al., 1993, Infection and Immunity 61:5294-5301.                            |
|                     |  | Palleros et al., 1993, Nature 365:664-666.  |
|                     |  | Perraut, 1993, Clin. Exp. Immunol. 93:382-386.  |
|                     |  | Srivastava, 1993, Adv. Cancer Res. 62:153-177.  |
|                     |  | Yamamoto et al., 1993, Infection and Immunity 61:2154-2161.                           |
|                     |  | Nadeau et al., 1992, J. Biol. Chem. 268:1479-1487.                                    |
|                     |  | Nadeau et al., 1992, Protein Science 1:970-979.                                       |
|                     |  | Barrios et al., 1992, Euro. J. Immunol. 22:1365-1372.                                 |
|                     |  | Davidoff et al., 1992, Proc. Natl. Acad. Sci. USA 89:3439-3442.                       |
|                     |  | Pidoux et al., 1992, EMBO J. 11:1583-1591.  |
|                     |  | Lussow et al., 1991, J. Eur. Immunol. 21:2297-2302.                                   |
|                     |  | Srivastava and Maki, 1991, Current Topics in Microbiology and Immunology 167:109-123. |
|                     |  | Flynn et al., 1989, Science 245:385-390.  |
|                     |  | Pelham 1988, EMBO J. 7:913-918.   |
|                     |  | Munro and Pelham, 1987, Cell, 480:899-907.  |
|                     |  | Srivastava et al., 1986, Proc. Natl. Acad. Sci. USA 83:3407-3411.                     |
|                     |  | Ullrich et al., Proc. 1986, Natl. Acad. Sci. USA 83:3121-3125.                        |
|                     |  | Von Heijne, 1985, J. Mol. Biol. 184:99-105.   |

| EXAMINER<br>INITIAL |  | AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.   |
|---------------------|--|--|
|                     |  | Suzue, K. et al., 1996, J. Immunol. 156:873-9.   |
|                     |  | Jindal, S., 1996, Trends Biotechnol. 14:17-20.   |
|                     |  | Arnold, D. et al., 1995, J. Exp. Med. 182:885-9.                                       |
|                     |  | Suto, R. et al., 1995, Science 269:1585-7.   |
|                     |  | Gething, M.-J. et al., 1995, Cold Spring Harb. Symp. Quant. Biol. 60:417-28.           |
|                     |  | Tarpey, I. et al., 1994, Immunology 81:222-7.  |
|                     |  | Udono, H. et al., 1994, Science 91:3077-81.  |
|                     |  | Li, Z. et al., 1993, EMBO J. 12:3143-51.   |
|                     |  | Udono, H. et al., 1993, J. Exp. Med. 178:1391-6.                                       |
|                     |  | Moroi, Y., 2000, Proc Natl Acad Sci U S A 2000 Mar 28;97(7):3485-90                    |
|                     |  | Melnick, J., 1992, Journal of Biochemistry 267:21303-21306                             |
|                     |  | Dillman et al., 1995, J. Cell. Biochem., Suppl. 19B, p. 190                            |
|                     |  | Plumier et al., 1995, J. Clin. Invest. 95 (4), pp. 1854-1860                           |
|                     |  | Little, et al., 1994, Critical Reviews in Eukaryotic Gene Expression, 1994 4(1) p.1-18 |
|                     |  | Porgador et al., 1994 Nat. Immun. 13:113-130   |
|                     |  | Jaattela, 1995, Int. J. Cancer, 60 (5), pp. 689-693                                    |
|                     |  | Udono et al., 1994, J. Immun. 152, pp.5398-5403  |
|                     |  | Pardoll. 1993, Current Opinion in Immunology, 5:719-725                                |
|                     |  | Mastrangelo et al., 1996, Seminars in Oncology, 23:4-21                                |
|                     |  | Lukacs et al., 1994, Cancer Gene Therapy, 1:217  |

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|---|-----------------|
| Examiner  | Date Considered |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |